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BIENNIAL REPORT

OF THE

North Carolina Sanatorium

SANATORIUM, N. C.

MAR 26 1985

AND THE

Western North Carolina Sanatorium

BLACK MOUNTAIN, N. C.

FOR THE TWO YEARS ENDED JUNE 30, 1942

BIENNIAL REPORT

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North Carolina Sanatorium

SANATORIUM, N. C.

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Western North Carolina Sanatorium

BLACK MOUNTAIN, N. C.

FOR THE TWO YEARS ENDED JUNE 30, 1942

BOARD OF DIRECTORS

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DR. J. R. TERRY	Lexington
MR. ERNEST V. WEBB	Kinston

PERSONNEL

NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D.	Superintendent and Medical Director
C. D. THOMAS, M.D.	Asst. Superintendent and Associate Medical Director
F. T. HARPER, M.D. (1940-41)	Resident Physician
C. L. GRAY, M.D. (1940-41)	Resident Physician
ISAAC HOROWITZ, M.D.	Resident Physician
J. E. G. MCLAIN, M.D.	Resident Physician
JULIA M. JONES, M.D.	Resident Physician
VIRGINIA LEE CONGLETON, M.D.	Resident Physician
LEOPOLD MARKS, M.D.	Resident Physician, Negro Division
G. M. WILKINS, M.D. (1940-41)	Assistant Physician, Negro Division
J. S. SIMMONS, M.D.	Assistant Physician, Negro Division
EULA RACKLEY, R.N.	Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Purchasing Officer
C. C. MOSS	Cashier
MRS. C. W. COVINGTON	Secretary to Superintendent
MISS CARRIE TOOMER	Dietitian
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
H. F. EASOM, M.D.	Chief Clinic Physician
L. B. SKEEN, M.D.	Clinic Physician
W. H. ROPER, M.D.	Clinic Physician
W. M. PECK, M.D.	Clinic Physician

CONSULTING STAFF NORTH CAROLINA SANATORIUM

DR. C. R. MONROE, thoracic and general surgery	Pinehurst
DR. V. K. HART, bronchoscopy and laryngology	Charlotte
DR. J. M. LILLY, eye, ear, nose and throat	Fayetteville
DR. W. P. MCKAY, eye, ear, nose and throat	Fayetteville
DR. O. L. MILLER, orthopedic surgery	Charlotte
DR. D. T. SMITH, bacteriology and internal medicine	Durham
DR. JOHN M. HARRY, urology	Fayetteville
DR. DERYL HART, surgery	Durham
DR. JAMES B. BULLITT, pathology	Chapel Hill
DR. WM. DEB. MACNIDER, pharmacology	Chapel Hill

PERSONNEL

WESTERN NORTH CAROLINA SANATORIUM

P. P. McCain, M.D.	Superintendent
S. M. Bittinger, M.D.	Associate Supt. and Medical Director
A. L. Ormond, M.D.	Resident Physician
H. E. Wood, M.D.	Assistant Physician
J. C. Burge, M.D. (1940-41)	Assistant Physician
H. C. Jernigan, M.D.	Assistant Physician
Creolya Snodgrass, R.N.	Superintendent of Nurses
R. G. Wharton, D.D.S.	Dentist
Irvin Page	Laboratory and X-ray Technician
Ted Holman	Purchasing Officer
Mrs. Lawrence Barnhill	Secretary to Medical Director
S. J. Stutts	Chief Engineer

CONSULTING STAFF

Dr. Julian A. Moore, thoracic surgery	Asheville
Dr. F. Webb Griffith, general surgery	Asheville
Dr. John T. Saunders, orthopedic surgery	Asheville
Dr. Thomas R. Huffines, genito-urinary surgery	Asheville
Dr. Arthur Ambler, anesthesia	Asheville
Dr. Joseph T. Greene, ear, nose and throat	Asheville
Dr. G. S. Tennant, diseases of the eye	Asheville
Dr. Curtis Crump, pathology	Asheville
Dr. A. B. Craddock, internal medicine	Asheville
Dr. Lewis Beall, psychiatry	Black Mountain
Dr. Charles H. Cocke, diseases of the chest	Asheville
Dr. Paul H. Ringer, diseases of the chest	Asheville
Dr. C. C. Orr, diseases of the chest	Asheville
Dr. C. D. W. Colby, diseases of the chest	Asheville
Dr. Edward W. Schoenheit, diseases of the chest	Asheville
Dr. J. W. Huston, diseases of the chest	Asheville
Dr. Wilson Pendleton, diseases of the chest	Asheville
Dr. I. J. Archer, diseases of the chest	Black Mountain
Dr. Karl Schaffle, diseases of the chest	Asheville

LETTER OF TRANSMITTAL

His Excellency
Gov. J. Melville Broughton
Raleigh, North Carolina

Sir:

I have the honor to transmit herewith the report of the superintendent of operations of the North Carolina Santorium and the Western North Carolina Santorium for the treatment of tuberculosis for the biennium closing June 30, 1942, together with report on the construction and equipment of the Eastern North Carolina Sanatorium located at Wilson, North Carolina.

The Eastern North Carolina Santorium has been practically completed, equipped and staffed and we expect to begin the admission of patients during the month of November. This Sanatorium, although not as large as is urgently needed, will be of tremendous benefit in dealing with the problem of tuberculosis in the eastern part of our state.

We are happy to call attention to the fact that there has been a further reduction in the death rate from tuberculosis in North Carolina during the past biennium. However, the conditions of warfare will probably result in an increase in the number of sufferers from tuberculosis in this state and therefore a need for increased facilities for the prevention and cure of this disease. Because of army and navy needs, we have had to face a shortage of trained doctors and therefore will be unable to conduct tuberculosis clinics in the various counties of the state during the present emergency. A closer coöperation among county health officers in the early diagnosis will tend temporarily to relieve this problem. We must expect in the immediate future a greater burden on the state in dealing with this terrible menace to the health of our people.

On behalf of the board of directors, I desire to express to the superintendent and his staff our thanks for and appreciation of the splendid and loyal manner in which they have performed their respective duties. The state is under obligation to them, and such loyalty and devotion to duty should not go unappreciated.

The members of the board have closely coöperated with each other in the full discharge of their responsibilities and I desire to express to them my profound thanks for their interest in and attention to the work in which we are all engaged.

Respectfully submitted,

L. Lee Gravely,
Chairman, Board of Directors.

REPORT OF SUPERINTENDENT

The Board of Directors of the N. C. Sanatoria,
Mr. L. L. Gravely, Chairman.

Gentlemen:

Herewith please find reports of the North Carolina Sanatorium and of the Western North Carolina Sanatorium for the biennium closing June 30, 1942, and of the expenditures to this date for the Eastern North Carolina Sanatorium. Full statistical data will be found in the body of the report. The report for the Western North Carolina Sanatorium was compiled by Dr. S. M. Bittinger, the capable medical director and associate superintendent.

Progress of Tuberculosis Control

There has been a slight further reduction in the tuberculosis death rate. In 1939 the tuberculosis mortality rate for this state was 51 and in 1941 it was 49. In England and in other countries at war there has been already a considerable rise in the incidence and mortality from tuberculosis. We will need to redouble our efforts to prevent a rise here at home.

That expenditures for tuberculosis control yield abundant returns financially as well as in human values can be seen by comparing the 156.4 tuberculosis mortality rate for 1915 with the 49 per 100,000 rate for 1941. It is conservatively estimated that each death from tuberculosis costs the state in medical and nursing care, in loss of wages, et cetera, at least $3,000. In 1941, instead of the 5,586 deaths from tuberculosis which would have occurred had the 1915 rate obtained, there were only 1,769 deaths. By the above estimates this saving of 3,817 lives means an annual financial return to the state of $11,451,000 on the comparatively small amount which is being invested annually for tuberculosis control.

The Eastern North Carolina Sanatorium

The building of the Eastern North Carolina Sanatorium has been by far the most important advance in the tuberculosis control program during the biennium. Since it was found that federal aid could not be obtained in sufficient amount to make available the funds appropriated for the building of the institution by the 1939 General Assembly, Senator T. W. M. Long

and Senator C. W. Spruill introduced a bill providing an appropriation of $600,000 for the erection and the equipment of the Eastern Sanatorium. The bill passed without opposition.

The site committee appointed by Governor Hoey, consisting of Messrs. Odus Mull, Joe L. Blythe and L. L. Burgin, chose a beautiful site of 100 acres joining the city limits of Wilson, for which the patriotic citizens of this progressive city contributed $20,000 in cash to the board of directors.

In spite of priority difficulties the four buildings, consisting of separate units for white and colored patients with 110 beds each, an administration and service building and a heating plant and laundry large enough for double the present capacity are practically complete. Most of the equipment has been delivered. The election of Dr. H. F. Easom as associate superintendent and medical director will insure the successful operation of the institution. The institution will be dedicated on September 23rd and we are fortunate to have Governor J. Melville Broughton as the main speaker for the occasion. It is hoped that the building will be ready to receive patients by the middle of October.

Additional County Sanatoria

During the biennium five other counties, Wilson, Anson, Alamance, Wayne and Martin, have opened sanatoria and the Wake County Sanatorium added 30 more beds. These total 64 beds for white and 80 for colored patients. There are now all together 23 counties which have their own sanatoria with a combined bed capacity of 417 for colored and 521 for white patients. Even including all beds for tuberculosis in private and public sanatoria the state is still 1,072 beds short of the two beds per death ratio recommended by the National Tuberculosis Association and the American Public Health Association.

Problems Due to the War Situation

Our institutions are all in defense areas and there has been such an increase in wages for all classes of workers that it has been very difficult for us to keep help. We have lost many of our employees who have been with us for years and we are having to operate our institutions largely with untrained employees. The greatly increased cost of living has made it impossible for us to operate within the budgets which were made out before

the rise in prices. During the next biennium it will also be necessary for us to have materially increased appropriations.

Even with the additional beds provided at the Eastern North Carolina Sanatorium we feel that the capacity of our institutions will still be overtaxed. Approximately one per cent of the men examined for army and naval service are being rejected on account of tuberculosis and approximately one-half of those rejected have active disease and need treatment. Already 440 North Carolinians of those examined for military and naval service have been rejected on account of tuberculosis, many of whom are already under treatment in our state and county sanatoria.

The war situation has created such a shortage of doctors that we have lost three of our four clinicians and will lose the fourth in the near future. It has been impossible to find competent physicians to replace them. On this account we will be unable to conduct tuberculosis clinics in the various counties of the state during the emergency. Each of the institutions is conducting a daily diagnostic clinic. We are also encouraging physicians to have their doubtful cases x-rayed and to send their doubtful chest films to us for consultation if they so desire. We are already receiving several thousand of such films each year.

We are also urging the county health officers who have been furnished fluoroscopes by the State Board of Health to conduct regular tuberculosis clinics in their counties. Approximately 50 per cent of the health departments, probably representing 80 per cent of the population of the state, are now supplied with fluoroscopes. We have invited all the health officers who have fluoroscopic equipment and who are not already well-trained in chest fluoroscopy to come to the North Carolina Sanatorium in groups of four for periods of not less than two weeks for intensive study of fluoroscopy. Already several groups have come.

We have had so many staff changes that lack of space will prevent a detailed report. I especially want to mention two of our physicians, Dr. J. C. Burge of the Western North Carolina Sanatorium, and Dr. Wm. H. Roper of the North Carolina Sanatorium, who resigned to enter the medical corps of the Army. Dr. Burge is somewhere in the Philippines and Dr. Roper is located at Fort Bragg. Most of our staff members have had tuberculosis and are not eligible for war service. Several of

those, however, who have resigned have gone to take the places of other physicians who are entering service.

On February 3, 1941, our institutions and the anti-tuberculosis cause lost a most valuable friend in the death of Dr. T. W. M. Long. For thirteen years he was chairman of the board of directors of the North Carolina Sanatorium and for the past few years he was a most faithful and valuable member of the consolidated board.

Donations

We wish to express our deep appreciation to the many kind friends who have made generous donations of various kinds, a list of which will be found in the reports of each institution.

In conclusion I wish to express my deep appreciation to all of the members of the board for your helpful guidance and support and to Dr. S. M. Bittinger, medical director of the Western North Carolina Sanatorium, Dr. C. D. Thomas, associate medical director of the North Carolina Sanatorium, and to all of our other employees for their loyalty and valuable assistance.

Respectfully submitted,

P. P. McCAIN,
Superintendent, North Carolina Sanatoria and Director, Extension Department.

NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1940-1941

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	634	149	136	285	19	21	40	130	143	273	36
Admissions during year:											
New admissions	635	121	132	253	9	16	25	138	173	311	46
Readmissions	109	30	41	71	1	----------	1	6	12	18	19
Total admissions	744	151	173	324	10	16	26	144	185	329	65
Separations during year:											
Apparently arrested	120	10	6	16	11	14	25	35	31	66	13
Quiescent	127	25	37	62	2	1	3	27	34	61	1
Improved	213	92	101	193	----------	4	4	5	5	10	6
Unimproved	117	10	9	19	----------	----------	----------	27	53	80	18
Died	138	16	15	31	----------	----------	----------	40	54	94	13
Not tuberculous	46	7	3	10	1	1	2	12	9	21	13
Total separations	761	160	171	331	14	20	34	146	186	332	64
Patients in hospital at end of year	617	140	138	278	15	17	32	128	142	270	37
Average daily population	634										
Normal capacity	650										

*Includes Negro children as well as adults.

NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1941-1942

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	617	140	138	278	15	17	32	128	142	270	37
Admissions during year:											
New admissions	647	159	147	306	17	12	29	150	134	284	28
Readmissions	124	33	37	70				9	37	46	8
Total admissions	771	192	184	376	17	12	29	159	171	330	36
Separations during year:											
Apparently arrested	93	11	3	14	15	19	34	15	20	35	10
Quiescent	167	35	22	57	3		3	49	55	104	3
Improved	254	103	118	221	3	1	4	10	12	22	7
Unimproved	131	21	20	41	1		1	40	44	84	5
Died	91	10	11	21				31	27	58	12
Not tuberculous	61	10	6	16	3	1	4	20	15	35	6
Total separations	797	190	180	370	25	21	46	165	173	338	43
Patients in hospital at end of year	591	143	141	284	8	7	15	122	140	262	30
Average daily population	617										
Normal capacity	650										

*Includes Negro children as well as adults.

NORTH CAROLINA SANATORIUM

SUMMARY OF TWO YEARS' WORK

July 1, 1940-June 30, 1942

			1940-1941	1941-1942
Letters and postals received			19,191	18,892
Individual letters written			18,502	19,837
Mimeographed letters mailed			1,855	1,385
Mimeographed forms prepared			122	125
Number of copies mimeographed			25,031	10,830
Articles written (approximate number of words):				
Press	9,850	5,808		
SANATORIUM SUN	198,000	198,500	207,850	204,308
Articles copied (approximate number of words)			18,750	29,950
Patients histories written			672	725
Envelopes addressed			28,113	28,875
Enclosures sent out			11,440	12,584
Literature sent out			41,892	24,837
Tuberculin sent physicians			24,287	26,024
Sputum cups distributed			172,500	169,200
X-ray films sent in for interpretation			3,899	4,278
Operations:				
Phrenic operations			254	218
Thoracoplasty			59	60
Pneumonolysis			12	9
Other operations			30	40
Blood transfusions			41	39
Bronchoscopy			49	46
Pneumothorax treatments			13,162	11,243
Pneumo-peritoneum			1,856	2,211
Oleothorax			126	2

REPORT OF P. P. McCAIN, M. D.

	1940-1941	1941-1942
Days out of office	39	39
Addresses delivered	32	21
Number in audience	6,100	2,150

NORTH CAROLINA SANATORIUM

REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

	1940-1941	1941-1942	1940-1941	1941-1942	TOTAL
Number of addresses delivered			20	8	28
Total audience			578	512	1,090
New positive cases	394	331			
Primary tuberculosis	555	675			
Previously diagnosed	1,832	1,892			
Probable	163	117			
Doubtful	150	204			
Negative	13,643	14,148			
			16,737	17,367	34,104
Number of white examinations	11,490	12,350			
Number of colored examinations	5,247	5,017			
			16,737	17,367	34,104

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities During School Sessions 1926-1942

RESULTS OF TUBERCULIN TESTS

(0.1 cc. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Total
Number given tbe tuberculin test	430,574	130,851	561,425
Number positive reactors	69,977 (16.2%)	26,836 (20.5%)	96,813 (17.2%)

RESULTS OF THE STUDY OF 79,315 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of cbest			79,315
Number of reactors diagnosed as baving tuberculosis		9,641	
White	6,646		
Colored	2,995		
Primary tuberculosis	8,583		
Reinfection tuberculosis	716		
Primary and reinfection tuberculosis	180		
Extra-pulmonary tuberculosis	33		
Extra-pulmonary and reinfection tuberculosis	6		
Extra-pulmonary and primary tuberculosis	3		
Military tuberculosis	1		
Previously diagnosed	119		
Number of reactors classified as suspicious		5,086	
Number of reactors classified as baving no demonstrable tuberculosis		64,588	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium in Co-operation with Local Health and School Authorities During School Sessions 1940-1941 and 1941-1942

RESULT OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Total
Number given the tuberculin test	61,132	32,199	*93,331
Number positive reactors	11,372 (18.6%)	5,999 (18.6%)	17,371 (18.6%)

*87,087 of these were given tuberculin tests by local health officers, the X-rays and their interpretations were made by staff of extension department of North Carolina Sanatorium.

RESULTS OF THE STUDY OF 14,845 REACTORS HAVING X-RAYS

RACE	Number Having X-rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White	10,184	1,073	10.5	280	2.7	8,831	86.7
Negro	4,661	605	12.9	165	3.5	3,891	83.4
Total	14,845	1,678	11.3	445	2.9	12,722	85.6

Primary type lesions	1,337
Reinfection type lesions	215
Primary and reinfection lesions	7
Previously diagnosed	119
Total	1,678

NORTH CAROLINA SANATORIUM
WHITE DIVISION
(ADULT)

MEDICAL REPORT
July 1940-July 1942

STATISTICAL

	1940-1941	1941-1942	TOTAL
Number of patients to be reported on (discharged)	321	354	675
Number not tuberculous	10	16	26
Number of patients in Sanatorium July 1	278	284	562
Total number of patients treated	609	654	1,263
Hospital days	105,219	104,044	209,263

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940-1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	34	A	4	A	9	1	1	1	3	2	5				
		B	13	B	5	5	1	3	2	5	2				
		C	1	C	2			1					1		
Moderately advanced	55	A	3	A	6			1	1	2	5				
		B	13	B	24	2		1	3	9	18		3	1	
		C	2	C	7			2	1		6				
Far advanced	63	A	1	A	0	1									
		B	12	B	11			1		6	4	4	7	1	
		C	13	C	14					7	8	4	6	2	
		D	6	D	6							1	4	5	2
Total	152		68		84	9	2	10	10	31	49	9	21	9	2

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,919	3,882	Average stay	42.9	47.5	Shortest stay	5	3

	1940-41	1941-42		1940-41	1941-42
Number gained weight	36	45	Number lost weight	5	6
Average gain	7.6	8.5	Average loss	2.3	2.6
Stationary	3	3	Not weighed	24	30

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED NINETY DAYS OR OVER

1940—1942

CONDITION ON ADMISSION			1940-41		1941-42	CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	41	A	11	A	12	3	3	7	6	1	3				
		B	8	B	8	2	1	4	4	2	3				
		C	0	C	1		1								
		D	0	D	1										1
Moderately advanced	209	A	23	A	22		3	8	10	13	9	1		1	
		B	70	B	61	1	1	16	12	52	46		1	1	1
		C	11	C	21			3	5	7	13		3	1	
		D	0	D	1										1
Far advanced	272	A	2	A	2		1	1	1	1					
		B	104	B	69	1	1	13	3	73	51	7	7	10	7
		C	21	C	61				6	12	41	1	8	8	6
		D	3	D	10					1	6	1	1	1	3
Primary tuberculosis	1		0		1		1								
Total	523		253		270	7	12	52	47	162	172	10	20	22	19

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	96,076	95,482	Average stay	379.74	353.6	Longest stay	2,276	2,289

	1940-41	1941-42		1940-41	1941-42
Number gained weight	189	192	Number lost weight	23	43
Average gain	16.75	15.03	Average loss	9.09	8.4
Stationary	4	5	Not weighed	37	30

NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1940-41	1941-42
Negative		258	281
Positive	Previous	57	61
	Previous and during residence	1	6
	During residence only	5	6

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		121	145
Positive	On admission	189	197
	During residence	136	149
	On discharge	65	90

SEX, AGE AND CIVIL CONDITION

1940—1941

SEX		AGE						CIVIL CONDITION			
		12-19	20-29	30-39	40-49	50-59	60-70	Single	Mar-ried	Wid-owed	Di-vorced
Male	153										
Female	168	21	110	86	58	29	17	99	186	26	10
Total	321										

1941—1942

Male	180										
Female	174	30	121	93	61	39	10	94	232	15	13
Total	354										

TUBERCULOUS COMPLICATIONS

Adenitis (axillary)	1
Adenitis (cervical)	3
Anal fistula	7
Bronchial fistula	3
Cachexia	2
Empyema	27
Enteritis	42
Epididymitis	3
Ischio-rectal abscess	4
Laryngitis	55
Meningitis	3
Miliary tuberculosis	2
Nephritis	4
Orchitis	1
Osteitis	6
Otitis media	5
Pericarditis	1
Peritonitis	4
Pharyngitis	5
Pleural fistula	3
Pleurisy with effusion	57
Spontaneous pneumothorax	3
Stricture of larynx	2
Tracheobronchitis	15

NON-TUBERCULOUS COMPLICATIONS

Acne vulgaris	6
Amebiasis	1
Anemia	12
Arteriosclerosis	5
Arthritis	7
Asthma	7
Atrophy of testicle	12
Blindness	1
Blindness (partial)	3
Bronchiectasis	1
Cardiorenal disease	1
Carious teeth	164
Deafness (complete)	1
Deafness (partial)	7
Diabetes mellitus	8
Diseased tonsils	109
Dupuytren's contraction	1
Eczema	1
Empyema	1
Enucleation of eye	2
Epidermophytosis	2
Fungus infection	1
Furuncle	1
Gastric ulcer	1
Ganglion	1
Goitre (simple)	6
Hallux valgus	1
Hemorrhoids	39
Hernia	14
Herpes Zoster	3
Hookworm	35
Hordeolum	1
Horner's syndrome	2
Hydrocele	4
Hypertension	21
Hypertrophied prostate	7
Hypospadia	1
Icthyosis	2
Infantile paralysis	2
Intestinal obstruction	1
Ischio-rectal abscess	3
Lipoma	2
Lues	8
Malaria	3
Mitral regurgitation	2
Morphine addiction	1
Myasthenia gravis	1
Myocarditis	10
Myopia	1
Nasal polyp	3
Neurasthenia	3
Orchitis	1
Otitis media	9
Otomycosis	1
Parkinson's disease	1
Pellagra	4
Peptic ulcer	2
Perforated nasal septum	1
Pharyngeal cyst	1
Pneumonoconiosis	1
Pregnancy	7
Pruritus ani	1
Prostatitis	2
Psoriasis	2
Pterygium	1
Pyorrhea	80

Rhinitis	20
Ruptured appendix	1
Scoliosis	4
Sebaceous cyst	1
Septicemia	1
Silicosis	2
Sinusitis	2
Strabismus	7
Symblepharon	2
Syphilis (central nervous system)	2
Tenia versicolor	1
Varicocele	4
Varicose veins	1

OCCUPATIONS

July 1, 1940—June 30, 1941

Attendant	1
Barber	5
Book binder	1
Bookkeeper	4
Brick mason	3
Bridge tender	1
Broker	1
Bus driver	2
Butcher	2
Carpenter	8
Clerk	21
Collector	2
Cotton ginner	1
Dredger	1
Druggist	1
Dry cleaner	1
Electrician	3
Engineer	1
Farmer	122
Fireman	1
Florist	1
Furniture factory worker	2
Gateman	1
Graduate nurse	14
Highway foreman	1
Hosiery mill worker	7
House work	125
Insurance salesman	2
Laborer	7
Laundryman	1
Lawyer	1
Lineman	1
Machinist	2
Mail carrier	2
Manager, A & P	1
Mechanic	11
Merchant	4
Night watchman	2
Painter	7
Paper deliveryman	1
Photographer	1
Physician	2
Plumber	3
Postal clerk	1
Postmaster	1
Practical nurse	3
Radio operator	1
Railway mail clerk	3
Railway car inspector	1
Real estate dealer	1
Salesman	13
Saw mill operator	1
Seaman	1
Seamstress	2
Service station operator	3
Shoe repairer	1
Steam fitter	1
Stenographer	6
Stone cutter	5
Student	44
Taxi driver	2
Teacher	9
Technician	1
Telephone operator	1
Textile mill worker	68
Tobacco factory worker	4
Tobacconist	4
Traffic agent	1
Truck driver	6
Waitress	4
Welder	1
Woodworker	1
W.P.A. worker	3

NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

	CHILDREN				WHITE		COLORED		PRISON		TOTAL	
	WHITE		COLORED									
	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
July	45	49	28	25	226	320	91	39	9	6	399	439
August	49	48	20	22	255	305	44	51	5	3	373	429
September	43	75	10	13	267	329	34	51	10	6	364	474
October	56	34	5	15	209	287	28	39	5	8	303	383
November	32	39	3	15	216	287	14	54	6	5	271	400
December	24	23	8	1	177	217	32	77	16	3	257	321
January	26	31	5	3	177	249	22	43	8	----------	238	326
February	24	27	12	2	260	201	131	27	6	3	433	260
March	39	20	9	3	299	199	53	26	4	6	404	254
April	42	28	7	----------	319	274	30	23	6	4	404	329
May	48	22	49	8	346	215	63	29	6	3	512	277
June	64	32	13	6	250	241	40	30	3	8	370	317
Total	492	428	169	113	3,001	3,124	582	489	84	55	4,328	4,209

CLASSIFICATION

Positive diagnosis	24	22	21	10	186	170	52	69	48	31	331	302
Negative diagnosis	348	279	124	73	1,484	1,556	290	258	23	24	2,269	2,190
Re-examinations	120	127	24	30	1,331	1,398	240	162	13	----------	1,728	1,717
Total	492	428	169	113	3,001	3,124	582	489	84	55	4,328	4,209

NORTH CAROLINA SANATORIUM

SUMMARY OF MEDICAL REPORT

(White Division)

July 1, 1940—July 1, 1942

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	36	59	95
Moderately advanced	137	167	304
Far advanced	141	144	285
Extra-pulmonary	1	----------	1
Primary tuberculosis	1	----------	1
Not tuberculous	7	6	13
Not classified	1	----------	1
Total	324	376	700
Patients discharged:			
Apparently arrested	16	14	30
Quiescent	62	57	119
Improved	193	221	414
Unimproved	19	41	60
Died	31	21	52
Total	321	354	675

NORTH CAROLINA SANATORIUM

REPORT OF X-RAY LABORATORY

(All Divisions)

July 1, 1940—June 30, 1942

	White	Colored	Prison	Total
Stereoroentgenograms of chest Sanatorium patients	894	679	89	1,662
Stereoroentgenograms of chest Sanatorium clinic patients	180	16	----------	196
Double Roentgenograms of chest Sanatorium patients	66	43	----------	109
Double Roentgenograms of chest Sanatorium clinic patients	106	107	----------	213
Double Roentgenograms of chest children's clinics	2,076	1,963	----------	4,039
Single Roentgenograms of chest Sanatorium patients	2,021	1,349	147	3,517
Single Roentgenograms of chest Sanatorium clinic patients	1,831	442	19	2,292
Single Roentgenograms of chest adult clinics	8,130	3,160	----------	11,290
Miscellaneous X-rays	518	264	52	834
Total	15,822	8,023	307	24,152
X-ray treatments	80	102	19	201

NORTH CAROLINA SANATORIUM

LABORATORY REPORT

(All Divisions)

July 1, 1940—June 30, 1942

	White	Colored	Prison	Total
Sputanalyses:				
Micro	6,897	5,861	626	13,384
Chem	1,979	1,714	109	3,802
Total	8,876	7,575	735	17,186
Urinalyses:				
Micro	1,418	858	116	2,392
Chem	4,617	879	116	5,612
Total	6,035	1,737	232	8,004
Blood:				
W. C. B.	991	769	104	1,864
R. B. C.	946	738	104	1,788
Hemoglobin	941	735	102	1,778
C. I.	884	718	101	1,703
Differential	983	758	103	1,844
Kline	805	858	101	1,764
Sedimentation	25	7	----------	32
Type	44	21	----------	65
Coagulation	22	19	----------	41
Sugar	77	28	----------	105
Culture	4	4	----------	8
Total	5,722	4,655	615	10,992
Feces	967	678	89	1,734
Phthalein	2	1	----------	3
Gastric	17	5	----------	22
Pleural fluid	456	114	7	577
B. M. R.	12	1	----------	13
Bacteriological	201	454	6	661
Pleural fluid culture	244	26	2	272
Guinea pig autopsy	31	41	2	74
Vital capacity	51	16	----------	67
Aschiem-Zondek	8	8	----------	16
Spinal cell count	12	3	----------	15
Agglutination	20	8	----------	28
Autopsy	4	25	2	31
Sputum culture	15	6	1	22
Total	2,040	1,386	109	3,535
Milk: Bacterial count	----------	----------	----------	13
Total examinations and tests	----------	----------	----------	39,721

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Miss Lillian Roberts, Southern Pines.
Mrs. J. F. Morris, Southern Pines.
Church Periodical Club, New York City.
Miss Mary Wood, North Cambridge, Mass.
Christ Church, Herkimer, N. Y.
Robeson County Medical Auxiliary, Red Springs.
Charlotte Observer, Charlotte.
Mrs. B. E. Burns, Orlando, Fla.
Le Turneau Foundation, New York.
First Baptist Church, Greenwood, Miss.
Mrs. E. G. Carlton, Durham.
Terminal Hotel, Hamlet.
Tin Whistle Club, Pinehurst.
Mrs. Frank Shamburger, Aberdeen.
Mrs. Talbot Johnson, Aberdeen.
Junior Chamber of Commerce, Southern Pines.

Flowers and Bulbs:

Mr. E. S. Moye, Greenville.
Mr. S. F. Lee, Varina.
Mr. C. A. Ballentine, Varina.

Miscellaneous:

Kings Daughters, Chapel Hill.
Girls Scouts, Pinehurst.
Mrs. R. B. Stone, Stoneville.
Mrs. J. A. Bizzell, Kinston.
Mrs. T. H. Johnston, Cambridge, N. Y.
Dr. E. A. Branch, Raleigh.

Cash Donations:

Mr. M. C. Dew, Raeford.
Mr. Israel Mann, Raeford.
Mr. W. E. Swain, Raleigh.

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1940-41	1941-42	Total
Number of patients to be reported on (discharged)	32	42	74
Number not tuberculous	2	4	6
Number of patients in Sanatorium July 1	32	15	47
Total number of patients treated	66	61	127
Hospital days	13,758	10,183	23,941

SUMMARY MEDICAL REPORT

	1940-41	1941-42	Total
Patients admitted:			
Reinfection type tuberculosis	2	7	9
Minimal (1940-41: 2; 1941-42: 3)			
Moderately advanced (1940-41: 0; 1941-42: 4)			
Far advanced (1940-41: 0; 1941-42: 0)			
Extra-pulmonary	0	1	1
Primary tuberculosis	24	19	43
Not tuberculous	0	2	2
Total	26	29	55
Patients discharged:			
Apparently healed	25	34	59
Apparently inactive	3	3	6
Improved	4	4	8
Unimproved	0	1	1
Total	32	42	74

SEX AND AGE

	1940-41	1941-42	Total
Sex:			
Male	13	22	35
Female	19	20	39
Total	32	42	74
Age:			
18 months to 9 years	20	31	51
10 to 16 years	12	11	23
Total	32	42	74

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	4
Cystitis	1
Nephritis	1
Pleurisy with effusion	2
Stricture of urethra	1

NON-TUBERCULOUS COMPLICATIONS

Asthma (bronchial)	1
Carious teeth	5
Chickenpox	1
Coryza	1
Diphtheria	1
Diseased tonsils	29
Hookworm disease	3
Impetigo	1
Nephritis	1
Otitis media	2
Papillomata of larynx	1
Pediculosis	1
Pyelitis	1
Pyorrhea	1
Scoliosis of the spine	1
Secondary anemia	2
Roundworm infection	3

NORTH CAROLINA SANATORIUM

NEGRO DIVISION

MEDICAL REPORT

Statistical

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	311	303	614
Number not tuberculous	21	35	56
Number of patients in Sanatorium July 1	270	262	532
Total number of patients treated	602	600	1,202
Hospital days	98,127	98,720	196,847

NORTH CAROLINA SANATORIUM

NEGRO DIVISION

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940-1942

CONDITION ON ADMISSION		1940-41	1941-42	CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
				1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	16												
A		4	3	1	2		1			3			
B		3	5				5	1		2			
C		0	1				1						
Moderately advanced	21												
A		1	0							1			
B		6	10	1		1	4			3	6	1	
C		0	3				1						2
D		0	1										1
Far advanced	74												
A		1	1					1			1		
B		10	2						1	5		5	1
C		27	9							8	6	19	3
D		4	20						1		9	4	10
Primary tuberculosis	16	10	6	10	6								
Total	127	66	61	12	8	1	12	2	2	22	22	29	17

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,883	3,196	Average stay	43.7	52.4	Shortest stay	5	7

	1940-41	1941-42		1940-41	1941-42
Number gained weight	17	22	Number lost weight	11	5
Average gain	4	7.8	Average loss	9.3	7
Stationary	6	1	Not weighed	32	33

NEGRO DIVISION

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED NINETY DAYS OR OVER

1940-1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	30	A	8	A	9	5	5	2	4	1					
		B	5	B	3	1	2	4	1						
		C	3	C	2	2		1	1				1		
Moderately advanced	110	A	7	A	11	2	2	2	6	1	1	2	2		
		B	31	B	37	15	2	13	27		3	1	5	2	
		C	6	C	17			4	12		2		1	2	2
		D	0	D	1						1				
Far advanced	303	A	1	A	4			1	2		1		1		
		B	113	B	56	12	1	28	17	4	6	37	24	32	8
		C	45	C	59			2	17	2	4	17	17	24	21
		D	5	D	20						2		8	5	10
Primary tuberculosis	40		19		21	16	15	3	5				1		
Extra-pulmonary tuberculosis	4		2		2	1						1	2		
Total	487		245		242	54	27	60	92	8	20	58	62	65	41

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	79,531	93,209	Average stay	324.6	385.16	Longest stay	1,344	1,386

	1940-41	1941-42		1940-41	1941-42
Number gained weight	128	146	Number lost weight	55	48
Average gain	14.78	15.39	Average loss	15.18	10.19
Stationary	6		Not weighed	56	48

NORTH CAROLINA SANATORIUM
(Negro Division)

HISTORY OF HEMORRHAGE

		1940-41	1941-42
Negative		215	212
Positive	Previous only	77	62
	Previous and during residence	13	11
	During residence only	6	18

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		102	119
Positive	On admissions	206	180
	During residence	178	156
	On discharge	140	129

SEX, AGE AND CIVIL CONDITION
1940-1941

SEX		AGE						CIVIL CONDITION			
		2-9	10-19	20-29	30-39	40-49	50-74	Single	Mar-ried	Wid-owed	Di-vorced
Male	134										
Female	177	20	67	109	66	35	14	141	128	25	17
Total	311										

1941-1942

Male	145										
Female	158	18	51	124	52	36	22	167	100	24	12
Total	303										

NORTH CAROLINA SANATORIUM

OCCUPATIONS

Negro Division (Adult and Children)

July 1, 1940—June 30, 1942

Barber	2
Beauty parlor operator	2
Brick mason	1
Butler	2
Carpenter	2
Chauffeur	1
Cook	24
Dry cleaner	2
Farmer	148
Furniture factory worker	3
Hotel boy	1
House work	118
Janitor	10
Laborer	54
Laundress	15
Maid	17
Mechanic	6
Merchant	2
Nurse	2
Orderly	4
Painter	4
Physician	1
Plumber	2
Pool room operator	1
Porter	2
P.W.A. worker	3
Saw mill worker	6
Seamstress	4
Stenographer	1
Student	126
Tailor	1
Taxi driver	1
Teacher	10
Tobacco factory worker	28
Truck driver	3
Undertaker	2
Waiter	3

TUBERCULOUS COMPLICATIONS

Negro Division

1940-1942

Abscess (spine)	1
Adenitis (axillary)	1
Adenitis (cervical)	24
Adenitis (inguinal)	1
Ankylosis	1
Cystitis	2
Empyema	9
Enteritis	105
Fistula (anal)	3
Ischio-rectal abscess	6
Laryngitis	62
Meningitis	1
Miliary tuberculosis	1
Osteitis	6
Pericarditis	3
Peritonitis	10
Pleurisy with effusion	50
Pott's disease	6
Salpingitis	1
Tracheobronchitis	3
Tuberculoma (thigh)	1

TUBERCULOUS COMPLICATIONS

Alveolar abscess	7
Anemia (secondary)	3
Ankylosis	2
Anal fistula	1
Arteriosclerosis	1
Arthritis	6
Asthma	2
Atelectasis	1
Blindness (partial)	2
Carious teeth	235
Cataract	2
Conjunctivitis	1
Deaf and dumb	1
Deafness (partial)	9
Diabetes mellitus	3
Diseased tonsils	139

Embolism	1
Impetigo	1
Endocarditis	3
Epilepsy	1
Goitre (simple)	17
Hemorrhoids	9
Hernia	23
Hookworm infection	11
Hordeolum	1
Hydrocele	1
Hypertension	18
Keloid	1
Laceration of cervix	1
Lipoma	5
Lues	87
Mastoiditis	2
Mitral regurgitation	7
Nephritis	4
Opacity (corneal)	3
Osteomyelitis	7
Otitis media	2
Paralysis (partial)	8
Pellagra	3
Peptic ulcer	2
Phimosis	3
Pneumonitis	3
Pregnancy	10
Prostatitis	1
Psychosis	1
Pyorrhea	97
Rectal stricture	3
Rickets	1
Roundworm infection	3
Sinus (abdominal)	2
Sinusitis	2
Stomatitis	2
Strabismus	5
Tapeworm infection	3
Uterine fibroid	4
Varicose veins	6
Venereal warts	2

NORTH CAROLINA SANATORIUM

SUMMARY MEDICAL REPORT

(Negro Division)

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	27	39	66
Moderately advanced	71	87	158
Far advanced	186	162	348
Extra-pulmonary	3	----------	3
Primary tuberculosis	31	23	54
Not tuberculous	10	19	29
Not classified	1	----------	1
Total	329	330	659
Patients discharged:			
Apparently arrested	66	35	101
Quiescent	61	104	165
Improved	10	22	32
Unimproved	80	84	164
Died	94	58	152
Total	311	303	614

NORTH CAROLINA SANATORIUM

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mrs. McCormick, Roxbury, Mass.
Father Quinlin, Southern Pines and New York City.
Misses Callans, Southern Pines.
Mrs. Dodd, Southern Pines.
Mrs. J. P. Maddox, Salisbury.
Mrs. Walter Waltens, Salisbury.
Mrs. Mable Belk Dew, Monroe.
Faith Presbyterian Church, Aberdeen.
Dr. W. Borden Hooks, Tarboro.
Mrs. Hodge, Pinehurst.
Mr. W. C. Fownes, Pinehurst.
Lend A Hand Book Mission, Boston, Mass.
Girl Scouts, Southern Pines.
Miss Birdilia Bair, Southern Pines.
Mrs. Mary Fairley, Aberdeen.
Mrs. Gatsie Waddel, Asheboro.
Dr. and Mrs. C. L. Guion, Aberdeen.
Miss Alice Wilder, Aberdeen.
Mary Phillips, Aberdeen.
Mrs. W. C. Andrews, Southern Pines.
Mr. S. B. Chapin, Myrtle Beach, S. C.
Capitol Department Store, Fayetteville.
Mr. P. T. Kelsey, Southern Pines.
Mrs. Sallie Headen, Liberty.
Baptist Church, Liberty.
Iredell County Teachers, Statesville.

NORTH CAROLINA SANATORIUM

PRISON DEPARTMENT

MEDICAL REPORT

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	51	37	88
Number not tuberculous	13	6	19
Number of patients in Sanatorium July 1	37	30	67
Total	101	73	174
Hospital days	15,120	12,076	27,196

SUMMARY MEDICAL REPORT

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	7	3	10
Moderately advanced	16	10	26
Far advanced	32	17	49
Primary tuberculosis	1	----------	1
Not tuberculous	9	6	15
Total	65	36	101
Patients discharged:			
Apparently arrested	13	10	23
Quiescent	1	3	4
Improved	6	7	13
Unimproved	18	5	23
Died	13	12	25
Total	51	37	88

WESTERN NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1940—1941

	WHITE ADULTS			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	302	136	166	302
Admissions during year:				
New admissions	270	116	154	270
Re-admissions	16	6	10	16
Total admissions	286	122	164	286
2. Separations during year:				
Apparently arrested	12	3	9	12
Quiescent	120	48	72	120
Improved	109	45	64	109
Unimproved	20	10	10	20
Died	11	5	6	11
Not classified	1	1		1
Not tuberculous	15	9	6	15
Total separations	288	121	167	288
3. Patients in hospital at end of year	300	137	163	300
4. Average daily population				302
5. Normal capacity				300

WESTERN NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1941—1942

	WHITE ADULTS			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	300	137	163	300
Admissions during year:				
New admissions	312	131	181	312
Re-admissions	19	6	13	19
Total admissions	331	137	194	331
2. Separations during year:				
Apparently arrested	13	3	10	13
Quiescent	133	53	80	133
Improved	104	43	61	104
Unimproved	33	19	14	33
Died	29	17	12	29
Not classified	1		1	1
Not tuberculous	24	8	16	24
Extra-pulmonary	1		1	1
Total separations	338	143	195	338
3. Patients in hospital at end of year	293	132	161	293
4. Average daily population				297
5. Normal capacity				300

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF TWO YEARS' WORK

July 1, 1940—June 30, 1942

	1940-1941	1941-1942
Letters and postals received	9,419	9,450
Individual letters written	12,532	13,090
Articles copied (appromixate number of words)	10,800	8,500
Patients' histories written	254	283
Approximate number of words in patients' histories	436,500	500,600
Envelopes addressed	12,859	13,313
Enclosures sent out	940	867
Literature sent out	385	296
Sputum cups distributed	18,100	16,300
Tuberculin sent to physicians	3,220	2,740
X-ray films sent in for interpretation	653	1,034
Operations:		
Report of phrenic operations	153	169
Report of pneumolyses	1	1
Report of thoracoplasties	85	77
Bronchoscopy	44	84
Other major operations	26	17
Minor operations	55	33
Blood transfusions	1	5

REPORT OF DR. S. M. BITTINGER, M. D.

	1940-1941	1941-1942
Days out of office	36½	28
Addresses delivered	6	4
Total number in audience	280	107

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF TUBERCULOSIS CLINICS—X-RAY

	1940-1941			1941-1942		
	White	Colored	Total	White	Colored	Total
Childhood type positive					11	11
Childhood type (suspicious)	11	1	12		2	2
Childhood type (healed)	216	8	224	172		172
Adult type positive	5		5	5	1	6
Adult type (suspicious)					2	2
Adults (healed)	9		9	2		2
Miliary tuberculosis (healed)				1		1
Negative	472	11	483	338	38	376
Total	713	20	733	520	52	572

MEDICAL REPORT

Statistical

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	288	338	626
Number not classified	1	1	2
Number not tuberculous	24	15	39
Number of patients in Sanatorium July 1st	300	293	593
Total number patients treated	613	647	1,260
Hospital days	100,995	108,219	209,214

WESTERN NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1940-1941	1941-1942	Total
Negative		159	205	364
Positive	Previous	113	115	228
	Previous and during residence	13	10	23
	During residence only	3	8	11

RESULT OF SPUTUM EXAMINATIONS

	1940-1941	1941-1942	Total
Negative or no sputum	108	136	244
Positive:			
On admission	45	37	82
During residence	7	15	22
On discharge	1	1	2
On admission and during residence	73	74	147
During residence and on discharge	4	1	5
On admission, during residence, and on discharge	50	74	124

SEX, AGE AND CIVIL CONDITION

SEX	AGE						CIVIL CONDITION			
	10-19	20-29	30-39	40-49	50-59	60-66	Single	Married	Widowed	Divorced
1940—1941										
Male 121										
Female 167										
Total 288	23	117	81	35	26	6	98	168	13	9
1941—1942										
Male 143										
Female 195										
Total 338	33	107	102	56	28	12	103	202	18	15

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF MEDICAL REPORT

July 1, 1940 to June 30, 1942

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	13	13	26
Moderately advanced	89	95	184
Far advanced	156	196	352
Extra-pulmonary		2	2
Not tuberculous	2	5	7
Not classified	26	20	46
Total	286	331	617
Patients discharged:			
Apparently arrested	12	13	25
Quiescent	120	133	253
Improved	109	104	213
Unimproved	20	33	53
Died	11	29	40
Not tuberculous	15	24	39
Not classified	1	1	2
Extra-pulmonary		1	1
Total	288	338	626

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940—1942

CONDITION ON ADMISSION		1940-41	1941-42	CONDITION ON DISCHARGE: Apparently Arrested 1940-41	Apparently Arrested 1941-42	Quiescent 1940-41	Quiescent 1941-42	Improved 1940-41	Improved 1941-42	Unimproved 1940-41	Unimproved 1941-42	Died 1940-41	Died 1941-42
Minimal	15	A 5	A 4	2	3		1	2		1			
		B 3	B 3	1	1			2	1		1		
		C 0	C 0										
Moderately advanced	43	A 3	A 4			1	1	2	1		2		
		B 16	B 20			3	3	8	9	5	7		1
		C 0	C 0										
Far advanced	57	A 0	A 1								1		
		B 14	B 13					11	8	2	5	1	
		C 10	C 19					3	5	4	5	3	9
Total	115	51	64	3	4	4	5	28	24	12	21	4	10
Non-tuberculous	38	14	24										
Not classified	2	1	1										
Extra-pulmonary	1	0	1										
Total	156	66	90										

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,542	3,041	Average stay	38.41	33.77	Shortest stay	2	1

	1940-41	1941-42		1940-41	1941-42
Number gained weight	21	34	Number lost weight	15	19
Average gain	6.45	5.5	Average loss	3.8	3.8
Stationary	8	8	Not weighed	22	29

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED NINETY DAYS OR OVER

1940—1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	24	A	4	A	10	4	5		5						
		B	7	B	3	5	3	1		1					
		C	0	C	0										
Moderately advanced	151	A	6	A	13		1	5	9	1	3				
		B	61	B	72			45	56	15	14	1	2		
		C	0	C	0										
Far advanced	292	A	0	A	0										
		B	93	B	81			49	40	40	32	2	2	2	7
		C	49	C	69			16	18	24	30	4	9	5	12
Total	467		220		248	9	9	116	128	81	79	7	13	7	19
Non-tuberculous	1		1		0										
Extra-pulmonary	1		1		0										
Total	469		222		248										

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	92,600	98,187	Average stay	412	396	Longest stay	1,198	1,382

	1940-41	1941-42		1940-41	1941-42
Number gained weight	166	168	Number lost weight	30	36
Average gain	13.3	15.3	Average loss	10	6.5
Stationary	5	9	Not weighed	21	35

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF X-RAY LABORATORY

July 1, 1940 to June 30, 1942

	White	Colored	Total
Stereoroentgenograms of chest Sanatorium patients	655		655
Stereoroentgenograms of chest Sanatorium clinic patients	51	2	53
Stereoroentgenograms of chest children's clinics	3	1	4
Stereoroentgenograms of chest adult clinics	3		3
Double Roentgenograms of chest Sanatorium patients	5		5
Double Roentgenograms of chest Sanatorium clinic patients	15	3	18
Double Roentgenograms of chest children's clinics	693	8	701
Single Roentgenograms of chest Sanatorium patients	2,248	6	2,254
Single Roentgenograms of chest Sanatorium clinic patients	1,335	85	1,420
Single Roentgenograms of chest children's clinics	220	11	231
Single Roentgenograms of chest adult clinics	668	112	780
Miscellaneous X-rays	431	3	434
Treatments	86		86
X-ray reprints	29		29
Total	6,442	231	6,673

WESTERN NORTH CAROLINA SANATORIUM

LABORATORY REPORT

July 1, 1940 to June 30, 1942

	White	Colored	Total
Sputanalyses:			
Micros.	6,632	13	6,645
Chem.	1,152	1	1,153
Total	7,784	14	7,798
Urinalyses:			
Micros.	1,568	5	1,573
Chem.	5,219	5	5,224
Total	6,787	10	6,797
Blood:			
W. B. C.	1,202	10	1,212
R. B. C.	1,213	1	1,214
Hemoglobin	1,224	3	1,227
C. I.	1,224	3	1,227
Diff.	1,188	8	1,196
Kline	945	237	1,182
Blood sugar	25		25
N. P. N.	144		144
Blood typing	112		112
Blood cross matching	12		12
Blood typing and cross matching	59		59
Blood sedimentation index	1,842		1,842
Coagulation and bleeding time	2	1	3
Blood calcium	1		1
Others	5		5
Total	9,198	263	9,461
Feces	875		875
P. S. P.	143		143
Gastric	6		6
Pleural fluid	162		162
B. M. R.	73	1	74
Vital capacity	317		317
Cultures	452	1	453
Bronchoscopic specimens	6		6
Spinal fluid	6		6
Smears	541	1	542
N. P. N.	15		15
Autopsies	3		3
Total	2,599	3	2,602
Total examinations and tests			26,658

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1940 to June 30, 1942

	CHILDREN				WHITE		COLORED		TOTAL	
	WHITE		COLORED							
	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
July	27	43	----------	12	232	232	13	14	272	301
August	59	63	10	4	194	287	8	5	271	359
September	33	40	4	----------	248	275	5	11	290	326
October	16	25	----------	----------	121	294	5	7	142	326
November	20	30	----------	6	208	200	3	12	231	248
December	25	29	1	----------	133	188	2	5	161	222
January	15	36	----------	5	145	158	2	9	162	208
February	39	33	3	1	152	165	9	6	203	205
March	28	33	11	3	208	191	8	13	255	240
April	33	30	9	----------	197	184	2	7	241	221
May	40	34	1	3	223	210	3	14	267	261
June	78	37	1	10	273	219	5	18	357	284
Total	413	433	40	44	2,334	2,603	65	121	2,852	3,201
CLASSIFICATION										
Positive diagnosis	2	1	1	----------	100	111	15	8	118	120
Negative diagnosis	294	294	17	22	1,176	1,270	28	65	1,515	1,651
Re-examinations	117	138	22	22	1,058	1,222	22	48	1,219	1,430
Total	413	433	40	44	2,334	2,603	65	121	2,852	3,201

CLASSIFICATION OF NON-TUBERCULOUS CASES

1940-1942

Bronchial asthma, chronic pneumonitis, calcification of pleura	1
Bronchiectasis	14
Carious teeth and pyorrhea	1
Chronic abscess of lung and acquired cyst	1
Chronic bronchitis	2
Chronic non-tuberculous suppurative pneumonitis	1
Chronic non-tuberculous suppuration with empyema	1
Chronic pneumonitis with marked calcification of pleura	1
Chronic tonsillitis	1
Congenital polycystic lung with chronic pulmonary fibrosis and suppuration	1
Diseased tonsils and carious teeth	1
Hay fever	1
Lung abscess	3
Oesophageal obstruction probably due to malignancy	1
Pneumonitis	3
Pulmonary carcinoma with metastasis to lymph node of chest wall. Primary carcinoma of lung and pleura with metastasis to bones of pelvis, spine, and upper right femur, also probably to liver	1
Vincent's infection of mouth and throat	1

OCCUPATIONS

1940-1942

Auto dealer	1	Hotel work	2
Bank teller	1	Housework	155
Barber	2	Laborer	2
Beautician	1	Laundress	1
Bookkeeper	5	Lunchroom manager	1
Businessman	1	Mail carrier	1
Cafe worker	1	Meat cutter	2
Carpenter	6	Matron	1
Cashier	1	Mechanic	5
Civil engineer	1	Merchant	4
Clerk	20	Miner	7
Construction work	8	Minister	2
Cook	1	Newspaper work	1
Dairyman	1	Nurse (R.N. and practical)	20
Designer	1	Occupational therapy	1
Dietitian	1	Office work	1
Engineer	1	Optometrist	1
Farmer	57	Painter	4
Florist	1	Paper carrier	1
Furniture worker	1	Physician	3
Granite cutter	2	Plumber	1
Horse trainer	1	Printer	1

Purchasing agent	1
Railroad work	1
Salesman	15
Sand machine operator	1
Saw mill work	1
Seamstress	4
Secretary	1
Service station work	1
Shop keeper	1
Steel worker	1
Stenographer	9
Store keeper	1
Student	33
Switchman (railroad)	1
Tanner	1
Taxicab operator	1
Teacher	7
Textile	132
Tobacco worker	2
Truck driver	7
Waiter	1
W.P.A.	8

TUBERCULOUS COMPLICATIONS

Abscess of chest wall	1
Anal fistula	7
Calcification of spleen	1
Cervical adenitis	5
Draining sinus	2
Empyema	2
Epididymitis	3
Enteritis	31
Hemoptysis	7
Hydrothorax (obliterative)	5
Hydropneumothorax	22
Ischio-rectal abscess	2
Laryngitis	59
Meningitis	2
Miliary tuberculosis	2
Nephritis	7
Orchitis	1
Otitis media	9
Pericarditis	2
Peri-nephritic abscess	2
Pharyngo-laryngitis	4
Pleural fistula	1
Pleurisy with effusion	35
Pleurisy (fibrinous)	1
Pleural shock	1
Pott's disease	2
Pyopneumothorax	11
Retinitis	1
Scrofula	1
Sinovitis	2
Spontaneous pneumothorax	4
Tracheobronchial adenitis (active)	1
Tuberculids	1
Tuberculous ulceration of bronchi	7
Tuberculosis of appendix and both fallopian tubes	1
Wound abscess	1

NON-TUBERCULOUS COMPLICATIONS

1940-1942

Abscess of chest wall	1
Acne	15
Adenoma of thyroid	14
Adentia (partial and complete)	31
Amputation of fingers (partial)	2
Anal fissure	3
Anemia (secondary)	26
Ankylosis of spine and joints	7
Appendicitis (acute)	6
Arcus senilis	4
Arthritis	8
Arteriosclerosis	5
Artificial eye	2
Atrophy of right testicle	1
Atrophy of thigh	1
Bifurcated ribs	1
Blepharitis	9
Blindness (total)	1
Bone fracture	1
Bronchial asthma	3

Bronchiectasis	18
Bronchitis (chronic)	1
Bronchopneumonia with atelectasis	1
Calcification of pleura	1
Cardiovascular disease with hypertension	2
Carcinoma of cervix	2
Carcinoma of oesophagus	1
Carcinoma of ovary	1
Carious teeth	235
Catarrhal jaundice (acute)	1
Cellulitis (chronic, pelvic, Neisserian)	20
Cervical polyp	1
Cataracts (eye)	2
Chloasma	1
Chronic constipation	11
Conjunctivitis (acute)	7
Cor pulmonale	1
Cyst (scalp, thigh, neck)	3
Cystitis	1
Cystocele	7
Deafness (partial and complete)	37
Defective vision	11
Deformity of joints	12
Dermatitis	6
Deviation of nasal septum	31
Diabetes mellitus	4
Diastasi recti	3
Dilatation of colon	1
Diseased tonsils	68
Dislocation of humerus	1
Draining sinus	1
Eczema	4
Empyema	2
Encephalitis (post)	1
Endocervicitis	52
Enlarged turbinates	5
Enuculated left eye	1
Epidermophytosis (left hand)	1
Epilepsy	1
Erosion of nasal septum	1
Erosion of cervix	7
Funnel breast	1
Glossitis	5
Grand mal	1
Hay fever	1
Hemorrhoids	51
Hernia (inguinal)	2
Hernia (umbilical)	4
Herpes Zoster	1
Hookworm infestation	15
Hypertension	17
Hypertrophy of great toe nail	1
Infantile uterus	2
Infection of left hand (chronic)	1
Kyphosis	5
Laceration of perineum	16
Laceration of cervix	2
Leukorrhea	4
Hemicrania	1
Lumbago	1
Lung abscess	1
Lues	25
Mastitis (chronic)	1
Melanotic moleon neck	1
Mental deficiency	3
Mitral regurgitation	2
Myocarditis	1
Myopia	2
Nabothian cyst	1
Nasal obstruction	2
Nephritis	2
Nephrolithiasis (bilateral)	1
Obesity	6
Orchitis	1
Otitis media	15
Poliomyelitis (chronic)	3
Paresis	1
Pellagra	4
Papilloma of bladder	1
Pediculosis capitis	2
Perforation of nasal septum	3
Pharyngitis (chronic)	1
Pylonidal cyst	2
Pneumonitis	7
Polycystic left lung (congenital)	1
Polyp (cervical)	2
Pregnancy	4
Procidentia (partial)	2
Pruritis ani	1
Psychosis (toxic)	1
Pterygium	1
Ptosis of upper eye lid	1
Pyelitis	2
Pyorrhea	169

Rectocele	10
Renal calculi	1
Rheumatic endocarditis with mitral regurgitation (chronic)	5
Rhinitis	55
Ringworm (eczematoid)	1
Roundworm infestation	7
Schonlein's pupura	2
Scoliosis	6
Silicosis	7
Sinusitis (chronic)	8
Spontaneous pneumothorax	1
Strabismus	4
Taenia circinata	1
Talipes equanis	1
Tapeworm infestation	1
Tonsillitis (chronic)	8
Trichomonas vaginalis	5
Ulcer on nose	1
Urticaria	2
Vaginitis	1
Varicose veins (legs)	3
Vincent's infection of mouth	1
Viscero-ptosis	1
Whipworm infestation	3
Wound infection	1

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